

***Remarks***

Reconsideration and allowance in view of the foregoing amendments and the following remarks are respectfully requested.

By this Amendment, Applicants seek to amend claims 1 and 6. These changes are believed to introduce no new matter, and their entry is respectfully requested. Claims 1-10 remain pending in the application, with 1 and 6 being the independent claims.

**Rejections Under 35 U.S.C. § 103**

Claims 1 and 3-5 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Abbott et al. (US Patent No. 4,328,577) in view of Sebaa et al. (WESCON/94. 'Idea/Microelectronics' Conference. Claim 4 stands rejected under 35 U.S.C. 103(a) as being unpatentable over Abbott et al. in view of Sebaa et al. as applied to claim 1 above, and further in view of Mann et al. (US Patent Application Publication 2001/0013104). Claims 6 and 7 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Aagaard et al. (US Patent No 3,928,730) in view of Abbott et al. Finally, claims 8 and 9 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Aagaard et al. in view of Abbott et al. as applied to claims 6 and 7 above, and further in view of Sebaa et al. Reconsideration of claims 1-9 is respectfully requested.

To establish a *prima facie* case of obviousness, all of the claimed features must be taught or suggested by the references and there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings, MPEP Section 2142.

Applicants respectfully submit that the various combined teachings of Abbott, Sebaa, Mann, and Aagaard fail to teach or suggest the claimed invention. In particular, the combination of references fails to teach or suggest an apparatus comprising, *inter alia*, a switching device that includes a separate testing output port selectably configurable to couple to only one of the data-paths, as recited in claim 1. Similar features are also recited in claim 6. These features are illustrated, for example, in FIG. 2 of Applicants' application.

The office Action indicates that Abbott et al. "teach a monitor that chooses one data entry point and choosing one channel of data from four channels of data." (Office Action page 2, para 2). The Office Action, however, does not suggest that Abbott et al. teach Applicants' recited features including a separate testing output port (separate from the "output ports," recited in the claims). More importantly, Applicants assert that these features are not taught, suggested, or disclosed in Abbott, nor in any of the other references. For example, if Examiner equates signal lines 872, 873 and 874 of Abbott FIG. 1 as Applicants' "output ports," then FIG. 1, and all of the other FIGs., fails to show a separate testing output port as recited in Applicants' claims and shown in Applicants' FIG. 2.

On the other hand, if the Examiner, for example, equates each of the signal lines 872, 873, and 874 of Abbott as testing output ports, Abbott fails to teach or suggest Applicants' recited feature of a testing output port configurable to couple to only one of the data paths. That is, in Abbott, the multiple signal lines 872, 873, and 874 are permanently coupled to the data paths. By contrast, Applicants' recited testing output

port is not permanently coupled, but selectably configurable to couple to only one data path, as recited in Applicants' claims 1 and 6, and shown in FIG. 2.

Therefore, assuming *arguendo*, that one would be motivated to combine these references in the manner suggested by the Office Action, the present invention would not be obvious in view of such combinations. The suggested combinations would not result in the presently claimed invention reciting an apparatus comprising a switching device that includes a testing output port selectably configurable to couple to only one of the data-paths.

In view of the above arguments, it is clear that claims 1 and 6 would not have been rendered obvious by the suggested combinations to one of ordinary skill in the art at the time of the invention. Therefore, claims 1 and 6 are allowable under 35 U.S.C. § 103 as being patentable over Abbott, Sebaa, Mann, and Aagaard, either alone or in combination with one another.

Claims 2-5 depend from claim 1 and claims 7-9 depend from claim 6. Therefore, claims 2-5 and 7-9 are allowable at least for the reasons claims 1 and 6 are allowable, and for the specific features recited therein.

Reconsideration and withdrawal of the rejections of claims 1-9 is requested.

**Allowable Subject Matter**

The Office Action indicated that claim 10 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants, however, choose not to rewrite claim 10 at this time.

***Conclusion***

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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